

20-3-37/52

Electron Microscopy of the Nerve Cells of Brain Cortex in a State of Intense Excitation

action and differentiation, finally, 3 in the state of most intense excitation on account of electrically induced spasms. The clearing up of structural variations of the cells of brain cortex, being in the initial stage of working out the conditional motive reaction, further in the stage of a fully developed reaction and the following differentiation, were the object of further investigation. Results obtained at the control animals, are described in earlier works (references, 3, 5). The following results were obtained at the treated animals, viz. conclusions were drawn from them: the cells of brain cortex undergo the following variations in the course of both methods of treatment: a) within the nucleus. Beside the aggregation phenomena of its granular elements, a strengthened removal of the nucleus content into the cell protoplasm is most important. Therewith the cellular membrane partly or completely disappears. According to the opinion of the authors this fact is connected with the different stages of the "paranecrosis". There is no reason for the maintaining that within the above process only the material of the nucleolus and the heterochromatin are included (as in references 11, 12). The photographs (figure 1) show that the whole rest of the nucleus material is affected, and

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Electron Microscopy of the Nerve Cells of Brain Cortex in a State of Intense
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that from its granular elements nuclei arise, appearing at fixed preparations. According to observations of Aleksandrov, Manoylov and Orlov (reference 1) this corresponds to the state of an irreversible paranecrosis, the fact of which, however, still requires further observations. The results of the authors confirm the standpoint by Altmann (reference 10) and show that the phenomena within the nerve cells of brain cortex in an intensely excited state principally have the same character, as the phenomena within the cells of the secretory organs in the state of functional activity. According to publications and own observations it may be conceivable that the state of excitation of the nerve cells is a process, the nucleus chromatin and the ribonucleotides at which remove from the nucleus into the protoplasm of the nerve cells and then leave the limits of the latter. There are 1 (4) figures, and 12 references, 9 of which are Slavic.

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Electron Microscopy of the Nerve Cells of Brain Cortex in a State of Intense
Excitation

20-3-37/52

ASSOCIATION: Psychoneurological Institute imeni V. M. Bekhterev, Leningrad
(Psikhonevrologicheskiy institut im. V. M. Bekhtereva, Leningrad)
PRESENTED: July 15, 1957, by L. A. Orbeli, Academician
SUBMITTED: July 3, 1957
AVAILABLE: Library of Congress

Card 4/4

1/14/2023 10:57:00 AM

MYASISHCHEV, V. N.

"Les Premisses Professionale Degli Invalidi Sul Lavoro,"

paper submitted at 13th Congress of Intl. Association of Applied Psychology, Rome,
9-14 April 1958.

GRASHCHENKOV, Nikolay Ivanovich; ~~MYASISHCHEV, Vladimir Nikolayevich;~~
SHCHIKLOVANOV, Nikolay Matveyevich; USPANSKAYA, N.V., red.; GUBIN, M.I.,
tekhn.red.

[V.M. Bekhterev's contribution to the study of the brain and psyche]
Vlad V.M. Bekhtereva v uchenie o mозге i psikhike. Moskva. Izd-vo
"Znanie," 1958. 37 p. (Vsesoiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znanii. Ser. 8, vyp. 1, no.8) (MIRA 11:8)
(BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

MYASISHCHEV, V.N. (Leningrad)

V.M.Bekhterev Psychoneurological Institute; 50 years since its
establishment. Zhur.nevr. i psikh. 58 no.1:116-120 '58.
(NEUROLOGY (MIRA 11:2)
V.M.Bekhterev Psychoneurol. Inst. (Rus))

BABAYAN, E.A., otv.red. (Moskva); FEDOTOV, D.D., red.; ZEMEVICH, G.V.,
red. (Leningrad); LEBEDINSKIY, M.S., red. (Moskva); MYASISHCHEV,
V.I., red. (Leningrad); RAPOPORT, A.M., red. (Moskva);
SUKHARIBSKIY, L.M., red. (Moskva)

[Problems in occupational therapy] Voprosy trudovoi terapii.
Moskva, N-vo zdravookhraneniia SSSR, 1958. 299 p.

(MIRA 14:4)

(OCCUPATIONAL THERAPY)

AVEBBUKH, Ye.S.; MYASISHCHEV, V.N.

Brief outline of the work of the V.M. Bekhterev Psychoneurological
Institute. Trudy Gos. nauch.-issl. psichonevr. inst. no. 16:3-24, '58.
(MIRA 13:10)
(PSYCHIATRIC RESEARCH)

MYASISHCHEV, Vladimir Nikolayevich, prof., red.; KHVILIVITSKIY,
Teodor Yakovlevich, starshiy nauchnyy sotrudnik, red.;
GRASHCHENKOV, N.I., prof., red.; ANAN'IEV, B.G., prof., red.
VASIL'IEV, L.L., prof., red.; GILYAROVSKIY, V.A., prof., red.;
[deceased]; OMOROKOV, L.I., prof., zasluzhennyy deyatel' nauki,
red.; PROTOPOPOV, V.P., prof., red. [deceased]; BERKENHILIT,
Z.M., red.; MULEVA, M.S., tekhn.red.

[V.M.Bekhterev and modern problems in the structure and function
of the brain under normal and pathological conditions; transactions
of the All-Union Conference in Honor of the 100th Anniversary of
V.M.Bekhterev's Birth] V.M.Bekhterev i sovremennye problemy stroe-
niia i funktsii mozga v norme i patologii; trudy Vsesoiuznoi
konferentsii, posviashchennoi stoletiiu so dnia rozhdeniya V.M.
Bekhtereva. Pod red. V.N.Miasishcheva i T.IA.Khvilitvitskogo.
Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr. otd-nie, 1959.
(MIRA 14:2)
(Continued on next card)

294 p.

• MYASISHCHEV, V.N.—(continued) Card 2.

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Myasishchev). 2. Predsedatel' Uchenogo meditsinskogo soveta Ministerstva zdravookhraneniya SSSR, chlen-korrespondent AN SSSR i deystvitel'nyy chlen AMN SSSR (for Grashchenkov). 3. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR (for Aman'yev). 4. Chlen-korrespondent AMN SSSR (for Vasil'yev). 5. Deystvitel'nyy chlen AMK SSSR (for Gilyarovskiy). 6. Deystvitel'nyy chlen AN USSR (for Protopopov).

(NERVOUS SYSTEM)

(BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

MARKOVA, Ye.N., otv. red.; AVERBUKH, Ye.S., red.; BLINOV, N.I.,
red.; BONDAREV, N.I., red.; BORZUNOVA, A.S., red.;
ZEMEVICH, G.V., red.; MNUKHM, S.S., red.; MYASISHCHEV,
V.N., red.; PERVOMAYSKIY, B.Ya., red.; POVORKINSKIY, Yu.A.,
red.; POLIKARPOV, S.N., red.; SIBIRSKIN, N.V., red.;
FEDOTOV, D.D., red.; CHISTOVICH, A.S., red.; ZACHEPITSKIY,
R.A., red.

[Problems of psychiatry; anniversary collection of articles
dedicated to the 60th birthday of Professor Izmail
Fedorovich Sluchevskii] Problemy psichiatrii; iubileinyi
sbornik, posviashchenyyi 60-letiiu so dnia rozhdeniya profes-
sora Izmaila Fedorovicha Sluchevskogo. Leningrad, Meditsina,
1964. 434 p.
(MIRA 17:12)

MYASISHCHEV, V.N.

Some problems in mental hygiene during the next seven-year plan.
Sbor. trud. Len. nauchn. ob-va nevr. i psikh. no.6:3-10 '59.

(MIRA 13:12)

1. Iz psikhonevrologicheskogo instituta imeni V.M. Bekhtereva (dir.
chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR prof.
V.N. Myasishchev).

(MENTAL HYGIENE)

MYASISHCHEV, V.N.

Works of the V.M.Bekhterev Psychoneurological Institute on the
diagnosis and treatment of psychoneuroses. Trudy Gos. nauch.-issel.
psikhonevr. inst. no.20:7-17 '59. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bektereva, Leningrad.
(NEUROPSYCHIATRY)

MYASISHCHEV, V.N.; ZACHEPITSKIY, R.A.; YAKOVLEVA, Ye.K.

Psychotherapy as a basic method in the treatment of neuroses.
Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:277-285 '59.

(MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut imeni V.M. Bekhtereva, Leningrad.
(NEUROSES) (PSYCHOTHERAPY)

MYASISCHEV, V.N.; GOL'DIN, L.S.; BOBKOV, V.V.

Electron microscopy of the cerebral cortex in convulsions ~~induced~~
by electricity. Zhur. nevr. i psikh. 59 no.1:89-97 '59. (MIRA 12:3)

l. Laboratoriya elektronnoy mikroskopii (zav. - doktor med. nauk
L.S. Gol'din) Psichoneurologicheskogo instituta imeni V.M. Bekhtereva,
Leningrad.

(SCHIZOPHRENIA, compl.
periodic schizophrenia with paraphrenic synd. (Rus))

(PARANOIA
paraphrenic synd. in periodic schizophrenia (Rus))

KOVALEV, Aleksandr Grigor'yevich; MYASISHCHEV, Vladimir Nikolayevich;
ANAN'YEV, B.G., otv.red.; SHCHERBAKOVA, G.A., red.; ZHUKOVA,
Ye.G., tekhn.red.

[Psychological peculiarities of man] Psichicheskie osobennosti
cheloveka. Leningrad, Izd-vo Leningr.univ. Vol.2. [Aptitudes]
Sposobnosti. 1960. 302 p. (MIRA 13:8)

1. Deystvitel'nyy chlen Akademii pedagogicheskikh nauk RSFSR
(for Anan'yev).
(Ability)

MYASISHCHEV, Vladimir Nikoleyevich; SHCHERBAKOVA, G.A., red.; VODOLAGINA,
S.D., tekhn. red.

[Personality and neuroses] Lichnost' i nevrozy. Leningrad, Izd-vo
Leningr. univ., 1960. 424 p. (MIRA 14:11)
(PERSONALITY) (NEUROSES)

MYASISHCHEV, V.N.

Aptitudes and needs. Uch.zap.LGU nc.287:3-19 '60.
(MIRA 13:6)

(Psychology)

MYASISHCHEV, V.N. (Leningrad); BASSIN, F.V.; YAKOVLEVA, Ye.K. (Moskva)

First Psychiatric Congress in Czechoslovakia. Zhur. nevr.i psikh.
60 no.10:1391-1396 '60. (MIRA 14:1)
(PSYCHIATRY--CONGRESSES)

MYASISHCHEV, V.N.

Diagnosis, treatment, and prevention of neuroses according to recent
research data. Trudy Gos. nauch.-issl. psichonevr. inst. no.24:7-17
'61. (MIRA 15:5)

(NEUROSES)

DEGLIN, V.Ya.; MYASISHCHEV, V.N.; PEVZNER, M.S.

Paris congress on child psychiatry. Zhur. nevr. i psikh. 61
no.9:1424-1427 '61. (MIRA 14:9)
(CHILD PSYCHIATRY--CONGRESSES)

MYASISHCHEV, V.N.; GOL'DIN, L.S.; PETROV, V.S.; BOBKOV, V.V. (Leningrad)

Changes in the cerebral cortex of white rats following some pathological effects. Arkh.pat. no.1:70-78 '62. (MIRA 15:1)

1. Iz laboratorii elektronnoy mikroskopii (zav. L.S. Gol'din) -
Psichoneurologicheskogo instituta imeni V.M. Bekhtereva (dir. -
prof. V.N. Myasishchev).
(CEREBRAL CORTEX)

MYASISHCHEV, V.N.; TONKONOGIY, I.M.

Conference on methods of the research on pathophysiology of
higher nervous activity in humans and medical psychology.
Vop. psichol no.3:176-180 My-Je '63. (MIRA 17:2)

KOVALEV, A.G. (Leningrad); MYASISHCHEV, V.N. (Leningrad)

Psychology of personality and social practice. Vop. psichol.
9 no.6:23-34 N-D '63. (MIRA 17:4)

MYASISHCHEV, V.N.

Interrelationship of the psychical and somatic elements in general
and systemic neuroses. Trudy Gos. nauch. issled. psichonevrol. inst.
(41R, 17:3)
29:193-204 '63.

MYASISHCHEV, V.N.; GOL'DIN, L.S.; BOBKOV, V.V., PETROV, V.S.

Electron microscopy of the cerebral cortex in convulsions produced
by electric current under barbamyl anesthesia. Vopr. psich. i nerv.
(MIRA 17:4)
8.265-282 '62.

I. Laboratoriya elektronnoy mikroskopii (zav. - doktor med. nauk
L.S.Gol'din) Psichoneurologicheskogo instituta imeni V.M.Bekhtereva
(dir. - B.A.Lebedev).

BANSCHIKOV, V.M., zasl. deyatel' nauki, prof., glav. red.; ROKHLIN, L.L., prof., zam. glav. red.; SHMIDT, Ye.V., prof., red.; KERBIKOV, O.V., prof., red.[deceased]; MYASISHCHEV, V.N., zasl. deyatel' nauki prof., red.; FELINSKAYA, N.I., prof. red.; MIKHEYEV, V.V., prof., red.; FEDOTOV, D.D., prof., red.; BABAYAN, E.M., red.; MOROZOV, G.K., doktor med. nauk, red.; SEREBRYAKOVA, Z.N., kandi. med. nauk, red.; USHAKOV, G.K., doktor med.nauk, red.; SNEZHNEVSKIY, A.V., prof., red.

[Transactions of the 4th All-Union Congress of Neuro-pathologists and Psychiatrists] Trudy Vsesoiuznogo s"ezda nevropatologov i psichiatrov. M^akve, Vses.nauchn. med. ob-vo nevropatologov i psichiatrov. Vols.1, 5-6. 1965.
(MIRA 18:11)

1. Vsesoyuznyy s"ezd nevropatologov i psichiatrov. 4th, Moscow, 1963. 2. Deystvitel'nyy chlen AMN SSSR (for Shmidt, Kerbikov, Snezhnevskiy).

MYASISHCHEVA, G. G. et al.

"Measurement of the Thermal Neutron Cross-Section of Th²³² and of the
Neutron Absorption Resonance Integral," Atomnaya Energiya, 1, No.2, 1956

MYASISHCHEVA, G.G.

PA - 2050

AUTHOR: MJASISCEVA, G.G., ANIKINA, M.P., GOL'DIN, L.L., ERSLER, B.V.
TITLE: Measuring of the Cross Section of Th²³² for Thermal
Neutrons and of the Resonance Integral of the Absorption
on Neutrons (Russian)
PERIODICAL: Atomnaya Energia, 1957, Vol 2, Nr 1, pp 22-26 (U.S.S.R.)
Received: 3 / 1957 Reviewed: 3 / 1957

ABSTRACT: These measurements were carried out on a reactor with heavy water. In the reactor considerably diluted solutions of the nitrates of the substances investigated were irradiated. While the cross sections were being measured, the solutions arranged side by side which contained thorium and the gauging material were simultaneously irradiated. Also measuring of cadmium relations is discussed in short. The β-activity was measured by means of a counter with a mica window. The values measured for activity were extrapolated for the point of time at which irradiation ended.
Results: The cadmium relations measured for thorium, gold, uranium, and indium in various channels of the reactor are shown together in a table. The cross sections of thorium were compared with the cross sections of gold, indium, and uranium. The relations obtained immediately from the experiment have no simply physical significance, but it is

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Measuring of the Cross Section of Th²³² for Thermal
Neutrons and of the Resonance Integral of the Absorption
on Neutrons (Russian)

possible, from them, to determine the cross section of thorium for thermal neutrons as well as the amount of the resonance integral of absorption. Next, the notion of the average cross section is introduced, which depends on the spectrum of the neutrons and also on the gauging material. The average cross sections of thorium are given in a table. From the data hitherto discussed it is then possible to compute the cross section of thorium for thermal neutrons; the values found are shown in form of a table. The cross sections found with gold agree excellently with one another. The cross sections measured with indium are noticeably smaller than those measured with gold. Whereas the cross sections of thorium, which were measured with uranium as a gauging material, differ most among one another, measurements on the occasion of which gold was used for gauging gave the best results. The resonance integral of the absorption for thorium was computed according to the

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Measuring of the Cross Section of Th²³² for Thermal
Neutrons and of the Resonance Integral of the Absorption
on Neutrons (Russian)

$$\text{formula } RI(\text{Th}) = RI(\text{Au}) \left(\sigma_{\text{therm.Th}} / \sigma_{\text{therm.Au}} \right) \left((R_{\text{Au}}^{-1}) / (R_{\text{Th}}^{-1}) \right)$$

For the resonance integral of thorium the following values
were found: in the lattice: (88 + 5) barn, in the cavity
(63 + 2) barn, in the reflector (59 + 6) barn. These diffe-
rences may be explained by the different shape of the
spectrum of the resonance neutrons.

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED:
AVAILABLE: Library of Congress
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MYASISHCHEVA, G.G.

42201

MEASUREMENTS OF THE EFFECTIVE THERMAL NEUTRON CROSS SECTION AND THE RESONANCE ABSORPTION INTEGRAL OF ^{232}Th . V. G. O. Myasishcheva, M. P. Antikin, L. I. Gol'din, and Yu. V. Serein. "Nuclear Energy," 230-6 (1957).

The effective thermal neutron cross section of thorium ($\sigma_{th} = 7.31 \pm 0.10$ barn) and the resonance integral for thorium have been measured in a heavy-water reactor by an activation method. Gold, Indium, and Uranium were used as standards. Improved values for the effective thermal neutron cross section of Indium ($\sigma_{th} = 102 \pm 10$ barn) and for the resonance integral of Indium ($RI = 2340 \pm 200$ barn) were determined. (truth)

1 Rm
1 cm

Exhibit 025

5 (4)
AUTHORS:

Ershter, B. V., Nezhevenko, M. A.,
Myasishcheva, G. G.

SOV/20-126-1-34/62

TITLE:

The Mechanism of the Radiation Decomposition of Hydrogen Peroxide (Mekhanizm radiatsionnogo raspada perekisi vodoroda)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1, pp 126 - 129
(USSR)

ABSTRACT:

The papers on the decomposition mentioned in the title (Refs 1-9) did not compare the yield $G(H_2O_2)$ with the data of A. O. Allen (Ref 10) concerning the radiolysis of water by γ -rays. These data may be represented by the equation (I) $(2k + 1)H_2O = (2m + n)H_2O + nH + mOH + lH_2O_2 + kH_2$, where k, l, m, n are Allen's coefficients, which give the quantity of the individual particles formed by the absorption of 100 ev radiation. The authors wish to prove that such a comparison may contribute towards clearing up the entire mechanism. They carried out the radiolysis in the absence of H_2 and O_2 by blowing nitrogen through the liquid. As further reactions, which develop with-

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The Mechanism of the Radiation Decomposition of
Hydrogen Peroxide

SOV/20-126-1-34/62

out the liberation of oxygen, they mention: $H_2O_2 + H \rightarrow H_2O + OH$ (II); $H_2O_2 + OH \rightarrow H_2O + HO_2$ (III); and $HO_2 + H \rightarrow H_2O_2$ (IV). The entire reaction group I - IV is in the following denoted by A. With oxygen liberation the following reactions are possible: $HO_2 + OH \rightarrow H_2O + O_2$ (B); $H_2O_2 + HO_2 \rightarrow H_2O + OH + O_2$ (C); $HO_2 + HO_2 \rightarrow H_2O_2 + O_2$ (D) and $H_2O_2 + 2HO_2 \rightarrow 2H_2O_2 + O_2$. Determination of the predominating reaction in the interruption of the reaction chain is possible by comparing Allen's data with the values for $G_{H_2O_2}$. The equations for the reaction mechanisms A + B, A + C, A + D and A + E are written down and are graphically represented (Figs 1-4). The analysis of the equations and the experimental data give the mechanism A + D + C. There are 4 figures and 10 references, 3 of which are Soviet.

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- The Mechanism of the Radiation Decomposition of Hydrogen Peroxide SOV/20-126-1-34/62

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki Akademii nauk SSSR (Institute of Theoretical and Experimental Physics of the Academy of Sciences, USSR)

PRESENTED: January 28, 1959, by A. I. Alikhanov, Academician

SUBMITTED: January 26, 1959

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43225
S/844/62/000/000/016/129
D290/D307

AUTHORS: Ershler, B. V. and Myasishcheva, G. G.
TITLE: On the mechanisms of the radiolysis of aqueous solutions
of H₂, O₂, and H₂O₂

SOURCE: Trudy II Vsesoyuznogo soveshchaniya po radiatsionnoy khimi-
ii. Ed. by L. S. Polak. Moscow, Izd-vo ANSSR, 1962,
114-121

TEXT: The authors consider 8 possible reactions that can occur
during radiolysis of aqueous solutions of H₂, O₂, and H₂O₂ and de-
duce equations for the kinetics of radiolysis and for the variations
in the yields of H₂, O₂, and H₂O₂ with the concentrations of the
initial solutions and the intensity and type of radiation. The the-
oretical predictions are in very good agreement with many published
results. The range of validity of the approximations used in the
theory is discussed. It is also shown that the existence of the

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On the mechanisms of ...

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B290/D307

$I^{1/2}$ law for the yields of radiolysis of solutions of H_2O_2 confirms the proposed model of the radiolysis of solutions containing all three components (H_2 , O_2 , and H_2O_2) without postulating the formation of two types of reducing radical in the radiolysis of water. There are 7 figures and 2 tables.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki
AN SSSR (Institute of Theoretical and Experimental Physics, AS USSR)

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31075
S/076/62/036/004/004/012
B101/B110

J. 4600
AUTHORS:

Ershler, B. V., and Myasishcheva, G. G.

TITLE:

Applicability of an approximate model to radiolytic reactions of hydrogen, oxygen, and hydrogen peroxide in aqueous solution

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 4, 1962, 726-733

TEXT: On the basis of the approximate Allen model (see below), equations are derived for radiolysis processes, and their agreement with experimental data of other scientists is checked. The following reactions are considered: $H_2O_2 + H \rightarrow H_2O + OH$ (1); $H_2 + OH \rightarrow H_2O + H$ (2); $H_2O_2 + OH \rightarrow H_2O + HO_2$ (3); $HO_2 + H \rightarrow H_2O_2$ (4); $HO_2 + HO_2 \rightarrow H_2O_2 + O_2$ (5); $H_2O_2 + O_2 \rightarrow HO_2$ (6); $H_2O_2 + HO_2 \rightarrow H_2O + O_2 + OH$ (7); $H + H \rightarrow H_2$ (8). The dependence of the reaction rate w_i on the reaction constant k_i and the particle concentration is noted for each reaction. For the yield G_q of each particle q , $G_q = G_q^0 + \sum G_i$ holds. From this, the following equations

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Applicability of an approximate ...

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B101/B110

are derived: $G_{H_2} = L + 1 - \alpha M$; $G_{O_2} = L + (1 - \alpha)M$; $G_{H_2O_2} = G_{H_2} - 2G_{O_2}$;
 (II), where $\alpha = [H_2]/([H_2] + A[H_2O_2])$; $L = x + k - \alpha M - 1$;
 $M = (y + Bx^{1/2})[H_2O_2]^{\beta^{1/2}}$; $\beta = 100N/I$, (N = Avogadro's number, I = intensity
 of radiation). For the calculation of x , y and I , the following equations
 are written down: $x^{1/2} = -Q + \sqrt{Q^2 - P}$; $Q = 0.5(C[H_2] + (1 - \alpha)B[H_2O_2])\beta^{1/2}$;
 $y = 0.5D^{-1/2}(\sqrt{E^2x + 4(b - x)} - Ex^{1/2})$; $P = k - \alpha m - 1 - Dy^2 - \alpha y[H_2O_2]^{\beta^{1/2}}$;
 $b = m + l - k$. For the constants: $A = k_3/k_2$; $B = k_1/k_8^{1/2}$; $C = k_6k_8^{1/2}$;
 $D = k_5/k_7^2$; $E = k_4/k_5^{1/2} \cdot k_8^{1/2}$; $F = k_1 \cdot k_5^{1/2}/k_4$; $G = k_1/k_6$. Calculations on
 the basis of the equation system II for H_2O_2 solutions, saturated with H_2
 at 1 atm; solutions containing only H_2O_2 ; solutions of O_2 ; solutions with
 comparable content of H_2 and O_2 , and a solution saturated with H_2 at 1 atm, \checkmark
 produced good agreement with the experimental data of Allen and other
 scientists. The applicability of the model in dependence on the assumed

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Applicability of an approximate ...

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approximation (equal distribution and simultaneous development of the radicals) is discussed. The $I^{1/2}$ relation may be used as criterion for the even distribution of the radicals in the solution. For stationary concentration, G_{H_2} , G_{O_2} and $G_{H_2O_2}$ is equated with zero in the equation

system (II) and the following equations are obtained:

$$\begin{aligned} [H_2O_2] &= 1\beta^{1/2}/(y + Bx^{1/2}); \quad [H_2] = [H_2O_2]A(x + k)/(b - x); \\ [O_2] &= (1/Cx^{1/2}(Dy^{2-\beta-1/2} + y[H_2O_2])); \quad y = (1/2D^{1/2})[E^2x + 4(b - x) - Ex^{1/2}] \end{aligned}$$

(IV). In agreement with the experimental data $[H_2O_2]$ is found to approach a minimum asymptotically at $[O_2] \rightarrow 0$, and a maximum at $[O_2] \rightarrow \infty$;

$[H_2] \rightarrow \infty$ at $[O_2] \rightarrow 0$. The $I^{1/2}$ relation is shown by the fact that if there is a change of the intensity from I_1 to I_2 , the curves $\log[H_2]$, $\log[H_2O_2]$ versus $\log[O_2]$ are displaced along both axes by $\log(I_1/I_2)^{1/2}$.

The assumption of two types of reducing particles, H and H^- , proposed by Allen, is unnecessary for the explanation of experimental data existing at Card 3/4

Applicability of an approximate ...

S/076/62/036/004/004/012
B101/B110

present. There are 7 figures and 2 tables. The four most important English-language references read as follows: A. O. Allen, J. Phys. Chem., 52, 479, 1948; A. O. Allen, C. J. Hochanadel, J. A. Chormley, T. W. Darvis, J. Phys. Chem., 56, 575, 1952; A. O. Allen, Radiation Res., 1, 85, 1954; A. O. Allen, J. Phys. Chem., 63, 928, 1959.

SUBMITTED: June 23, 1960

X
Card 4/4

I 22404-66 FIP(e)/EMT(n)/T NH
ACC NR: AP6006791

SOURCE CODE: UR/0386/66/003/001/0003/0004

AUTHOR: Babayev, A. I.; Balata, M. Ya.; Myasishcheva, G. G.; Ovukhov, Yu. V.; Roganov, V. S.; Pirsov, V. G.

ORG: Institute of Theoretical and Experimental Physics (Institut teoreticheskoy eksperimental'noy fiziki)

TITLE: Observation of atomic muonium in crystalline quartz

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniya, v. 3, no. 1, 1966, 3-4

TOPIC TAGS: quartz, muon, positron, angular distribution, spin, magnetic moment, relaxation process

ABSTRACT: The asymmetry coefficient (c') in the angular distribution of the positrons from the decay of mesons stopped in crystalline quartz at room temperature was measured in the meson beam of the OIYaI synchrocyclotron with the aid of apparatus used to observe μ^+ -meson spin precession in a magnetic field. Four cycles of the sinusoidal precession curve, with a frequency corresponding to the magnetic moment and spin of the μ^+ meson, were traced at a magnetic field intensity 50.0 \pm 0.3 G for ~ 6 μ sec after the stopping of the μ^+ meson in the target. The asym-

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L 22404-66
ACC NR: AF6006791

metry coefficient corrected for the energy spectrum of the emitted positrons, for the counter geometry, and for the beam polarization was equal to $c' = 0.065 \pm 0.006$ (the total number of μ^+ mesons stopped in the target was 4×10^8 , and the product of the solid angle by the counter efficiency was $\sim 1/30$). At a magnetic field intensity 2.70 and 1.35 on the obtained precession corresponded to the frequency of revolution of atomic muonium with exponentially damped amplitude and with relaxation time $0.3\text{--}0.4$ μ sec. The experimental asymmetry coefficient, extrapolated to zero time, was $c'_0 = 0.09\text{--}0.13$ without correction for the beam polarization. A more detailed investigation of the precession of the muonium was hindered by the presence of intensity modulation, connected with the fine structure of the accelerator pulse. Work on the investigation of the phenomenon is being continued.

SUB CODE: 20/ SUB DATE: 03Nov65

card 2/2 *(Hand)*

L 36381-66 EWT(m)/T WH
ACC NR: AP6014026

SOURCE CODE: UR/0056/66/050/004/0871/088966

AUTHOR: Babayev, A. I.; Balas, M. Ya.; Byasishcheva, S. G.; Obukhov, L. S.
Firsov, V. G.; Roganov, V. S.

ORG: Institute of Theoretical and Experimental Physics (Institut teoretičeskoy i eksperimental'noy fiziki)

TITLE: Experimental investigation of chemical reactions of muonium //
Zhurnal eksperimental'noy chimii, v. 59, no. 1, 1981

SOURCE: Zhurnal eksperimental'noy chimii, v. 59, no. 1, 1981, p. 877-889

TOPIC TAGS: muonium, positron, muonium, muonium, muonium field, chemical reaction, atomic muonium, positron distribution

ABSTRACT: The asymmetry coefficients in the decay of muonium emitted in μ -e-decays were measured for a number of substances and their values computed on the basis of the results obtained. The ratio of muonium to electron rate for parallel reactions was employed with the aim of raising the accuracy of measurements and elucidating the mechanism of the reactions. The dependence of the muonium asymmetry coefficients on the magnetic field strength were measured for a number of compounds. The data were discussed within the framework of the chemical reactions with muonium. The authors express their thanks to A. A. Ivanov for help in writing.

Card 1/2

L 01240-67 ENT(m)/T
Acc No AT6031145

SOURCE CODE: UR/3138/65/000/388/0003/0028

AUTHOR: Babayev, A. I.; Myasishcheva, G. G.; Obukhov, Yu. V.; Roganov, V. S.;
Firsov, V. G.; Balata, M. Ya.

17
12
B+1

ORG: none

TITLE: Experimental investigation of the chemical reactions of muonium 19

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii.
Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 388, 1965.
Eksperimental'noye issledovaniye khimicheskikh reaktsiy myuoniya, 3-28

TOPIC TAGS: muonium, muon chemical interaction, muonium interaction, atomic
muonium, assymetry coefficient, angular positron distribution, binary mixture,
competing acceptor method

ABSTRACT: Measurements were made of assymetry coefficients in the angular
distribution of escaping positrons μ^-e^+ for several compounds and their binary
mixtures. The results obtained were used to compute the constants of the rate of
interaction between atomic muonium and substance. To augment the accuracy of
the results and to clarify the mechanism of the process, a method of competing

Card 1/2

MYASISHCHEVA, N.V., nauchnyy sotrudnik

Vitamin B₁₂ content of the blood in healthy and diseased persons.
Akt.vop.perel.krovi no.7:223-228 '59. (MIRA 13:1)

1. Bakteriologicheskaya laboratoriya Leningradskogo instituta pereli-
vaniya krovi (zav. laboratoriye - starshiy nauchnyy sotrudnik T.A.
Krotova). (CYANOCOBALAMINE) (BLOOD--EXAMINATION)

MYASIZHCHIEVA, N.V. (Leningrad, ul. Graftio, d.4, kv.29)

Significance of the study of the concentration of vitamin B₁₂ in
the blood of surgical patients. Vest.khir. 83 no.12:44-54 D '59.
(MIRA 13:5)

1. Iz bakteriologicheskoy laboratorii (sav. - doktor biologicheskikh
nauk T.A. Krotova) i khirurgicheskoy kliniki (sav. - prof. A.N.
Filatov) Leningradskogo ordena Trudovogo Krasnogo Znameni insti-
tuta perelivaniya krovi.

(CYANOCOBALAMINE)
(OPERATIONS, SURGICAL)

MYASISHCHEVA, N.V.

Method of determining vitamin B₁₂ in the blood. Lab.delo 6 no.1:
35-37 Ja-Pe '60. (MIRA 13:4)

1. Iz bakteriologicheskoy laboratorii (zaveduyushchiy - doktor biologicheskikh nauk T.A. Krotova) Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi.

(CYANOCOBALAMINE)

AKKERMAN, V.V., doktor med.nauk; IVANOVA, N.M.; KLIMOVA, K.N.;
KROTOVA, T.A., prof.; MYASISHCHEVA, N.V.

Changes in natural immunity and the content of vitamin B₁₂
in leukemia in relation to treatment. Probl.gemat.i perel.krovi
(MIRA 15:9)
no.7:3-11 '62.

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta pereli-
vaniya krovi (nauchnyy rukovoditel' - chlen-korrespondent AMN
SSSR prof. A.N. Filatov, dir. - dotsent A.D. Belyakov).
(LEUKEMIA) (IMMUNITY) (CYANOCOBALAMINE)

KIASATINHOUA, M., P.A. (M. K. S. H. M.)

CONFIDENTIAL

The following information is being made available to the utilization
of the Central Intelligence Agency, general, by virtue of its possession of AP
SAC. (MRA 12-6)

1. The following information was furnished by Mr. C. R. Rasmussen, a
representative of the Central Intelligence Agency, and is believed to be reliable.
It is being furnished to you for your consideration and use in connection
with your present and future operations.

DOMETTI, A.A.; ZIMINA, A.M.; KALININ, F.P.; LAKTIONOVA, P.I.; MOROSHKINA, O.I.;
MYASISHCHEVA, Ye.I.; NECHAYEVA, Yu.A.; PREOBRAZHENSKIY, A.I.; RUSH,
V.A.; RYNDIN, A.A.; SAUCHKIN, Yu.G.; STROYEV, K.F.; TEREKHOV, P.G.
[deceased]; FREYKIN, Z.G.; SHESTAKOV, V.N.

Nikolai Nikolaevich Baranskii's 80th birthday. Geog. v shkole 24
(MIRA 14:8)
no.4:7-8 Jl-Ag '61.
(Baranskii, Nikolai Nikolaevich, 1881)

MYASISHCHEVA, Ye.I., metodist

Questions and answers. Geog. v shkole 25 no.3:66 My-Je '62.
(MIRA 15:7)

1. Ministerstvo prosveshcheniya RSFSR.
(Grading and marking (Students))

MYASISHCHEVA, Ye.I., metodist

Conference of the authors of local geography textbooks. Geog.
v shkole 25 no.4:85 Jl-Ag '62. (MIRA 15:8)

1. Ministerstvo prosveshcheniya RSFSR.
(Geography--Textbooks)

SOKOLOV, V.M. Prinimal uchastiye MYSHETSKAYA, Ye.N.; SHUBOV, S.I., red.; BASHLAVINA, G.N., red.; BIBIK, A.Ye., red.; ZASLAVSKIY, I.I., red.; KONDRAT'YEV, B.A., red.; MYASICHCHEVA, Ye.I., red.; SOLOV'YEV, A.I., red.; STROYEV, K.F., red.; SCHASTNEV, P.N., red.; TANANKOVA, A.I., red.; TEREKHOV, N.M., red.; LOBZOVA, N.A., red.

[Atlas of Moscow Province] Atlas Moskovskoi oblasti. Moskva, 1964. 12 p. (MIA 18:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.

S/167/63/000/003/001/001
A004/A127

AUTHORS: Sadkovskaya, Ye.A., Myasisheva, I.V.

TITLE: Investigating the image orthicon operation under the condition
of short-time storage

PERIODICAL: "Tekhnika kino i televizionnye", no. 3, 1963, 57 - 61

TEXT: The authors present the results of investigating image orthicon tubes under standard resolution conditions at short-time charge storage effected with the aid of electronic shutters. They mention the two possible methods of short-time charge storage, viz. 1) the method of short-time light-pulses and 2) the method of short-time unlocking of the photocurrent (electronic shutter) in the image transfer section. A detailed description of the investigation method is given and the characteristic features of the tube operation under short-time storage conditions are enumerated. The investigations of the operation of the standard JM201 (LI 201), JM203 (LI 203) and JM 207 (LI 207) image orthicons and of the experimental tubes with antimony-cesium and bismuth-silver-cesium photocathodes under short-time storage

Card 1/2

Investigating the image orthicon ...

5/187/63/000/003/001/001
A004/A127

conditions showed that the majority of tubes can operate under these conditions, although their basic parameters have to be changed. Thus, the signal magnitude drops by a factor of 2 and more, while the signal-to-noise ratio drops to a factor of $\sqrt{2}$ and more, and the resolving power decreases on the average by 100 - 150 lines. There are 2 figures.

Card 2/2

PUZYREV, I. N.; MISKOV, K. YA., I. D.

Measurement of the angle of inclination of the BGS-2 bit in boring horizontal boreholes. Trudy VNII Podzemgaza no.12:119-125 '64.
(MIRA 18:9)

I. Laboratoriya kontrolyu i avtomatiki Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnyy gazifikatsii ugley.

MYASKOVSKAYA, I.D.

PHASE I BOOK EXPLOITATION SOV/5592

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsesoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. g. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960, in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel';

Card 1/11

radioactive Isotopes and Nuclear (Cont.)

SOV/5592

Tech. Ed.: A. S. Polosina.

PURPOSE : The book is intended for engineers and technicians dealing with the problems involved in the application of radioactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Vol. 4 of the Transactions of the All-Union Conference of the Introduction of Radioactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the Gosudarstvennyy nauchno-tehnicheskiy komitet Sovet Ministrov SSSR (State Scientific-Technical Committee of the Council of Ministers of the USSR), Academy of Sciences USSR, Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR), Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i machine-stroyeniyu (State Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Council of Ministers of the Latvian SSR. The reports summarized in this publication deal with the advantages, prospects, and

Card 2/11

Radioactive Isotopes and Nuclear (Cont.)

30V/5592

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radiometric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Alekseyev, F. A. Present State and Future Prospects of Applying the Methods of Nuclear Geophysics in Prospecting, Surveying, and Mining of Minerals	5
Bulashevich, Yu. P., G. M. Voskoboinikov, and L. V. Muzyukin. Neutron and Gamma-Ray Logging at Ore and Coal Deposits	19
Gordyeyev, Yu. I., A. A. Mukher, and D. M. Srebrcdol'skiy. The	

Card 3/11

Radiactive Isotopes and Nuclear (Cont.)

SCV/5592

of Microcomponents of Natural Waters

16

Polyanova, Ye. M., K. A. Kuznetsova, I. D. Myaskovskaya, P. F. Puzyrev, and D. A. Sckolov. Preventive Control of the Drilling Tool Escape From a Coal Seam While Drilling Inclined Boreholes in Lean Seams

253

Abdullayev, A. A., Ye. M. Lobanov, A. P. Novikov, and A. A. Khaydarov. Rapid Determination of the Percentage of Lead in Ores and Concentrates

262

Plakbin, I. N., V. N. Smirnov, and L. P. Starchik. Application of Alpha Radiation for the Automatic Regulation of the Material Composition of Enrichment Products of Certain Ores

273

Lenin, S. S. Scintillation Emanometers

274

Card 10/11

25(0); 28(1); 8(0)

PHASE I BOOK EXPLOITATION

SOV/2517

Myaskovskiy, Izrail' Grigor'yevich

Elektrooborudovaniye zavodov stroitel'nykh materialov (Electrical Equipment of Building-Materials Plants) Moscow, Gosstroyizdat, 1959. 232 p. Errata slip inserted. 6,000 copies printed.

Scientific Ed.: Ye. D. Demkov, Engineer; Ed.: M.S. Tyutyunik; Tech. Ed.: P.G. Gilenson.

PURPOSE: This book was approved by the Educational Department of the Personnel Administration of the RSFSR Ministry of Construction as a textbook for students of tekhnikums specializing in Electrical Equipment of the building-materials industry. It may also be useful to students at civil-engineering departments of vuzes as well as engineering and technical personnel of the building-materials industry.

COVERAGE: The author discusses the theory of electric drives and automatic control and describes electrical equipment and automatic control circuits of electric drives used in reinforced concrete mills, cement mills and glass

Card 1/12

MYASKOVSKIY, Izrail' Grigor'yevich; DEMKOV, Ye.D., red.; KARNEYEV,
V.A., red.izd-va; VORONINA, R.K., tekhn. red.

[Automation of production processes and measuring
instruments] Avtomatizatsiya proizvodstvennykh protsessov
i kontrol'no-izmeritel'nye pribory. Moskva, Vysshiaia
Shkola, 1963. 357 p. (MIRA 17:1)
(Automation) (Measuring instruments)

A. SKVOSKIY, Izrail' Grigor'yevich; 1217 N, L.V., inzh.,
retsenzer; TIKHYYEV, S.V., inzh., retsenzer;

[Electric equipment for building materials plants;
Elektrooborudovanie zavodov stroymaterialov. Izd.2.,
perer. i dop. Moskva, Stroizdat, 1964. 760 p.
(X.1. - 1.7)]

OGIL'VI, N.A.; MYASKOVSKIY, O.M.

New method of searching for fresh-water lenses in the Kara Kum. Isp.
AN Turk.SSR.Ser.fiz.-tekhn., khim.i geol.nauk no.1:80-83 '61.
(MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidro-
geologii i inzhenernoy geologii.
(Kara Kum--Water, Underground) (Electric prospecting)

MYASKOVSKIY, Ye.G., inzh.

Layr. inth.-screw sealing. Khim. i neft. mashinostr. no.1:
11-12 J1 '64. (MIRA 17:12)

(N) L 4002-66

ACCESSION NR: AP5024425

UR/0286/65/000/015/0128/0128

27
B

AUTHOR: Myaskovskiy, Ye. G.

TITLE: Labyrinth impeller. Class 47, No. 173553

SOURCE: Byulleten' inobreteniy i tovarnykh znakov, no. 15, 1965, 128

TOPIC TAGS: mechanical vibration, vibration effect

ABSTRACT: This Author Certificate presents a labyrinth impeller intended for sealing a turning roller. It consists of a screw fixed to the roller and of an immovable casing with a groove on its internal surface. To prevent leakage caused by vibrations of the screw, the impeller is provided with an auxiliary stop consisting of interacting additional parts of the screw and the casing, carrying opposing grooves. These grooves are separated from the main portions of the screw and the casing by a ridge on the screw and a circular groove on the casing. The latter groove is connected to a canal serving to divert the leaking matter.

ASSOCIATION: none

UDC: 621-762.62

Card 1/2

L 4002-66

ACCESSION NR: AP502L425

SUBMITTED: 03/13/01

ENCL: 00

SUB CODE: IX

NO REF Sov: 000

OTHER: 000

Card 2/2

MYASNENKO, A., kand.med.nauk

In the focus of contamination. Voen.znan. 40 no.11:25 N 164.
(MIRA 18-1)

MYASNENKO, A., kand. med. nauk

Microbe against microbe. Voen. znan. 41 no.4:27-28 Ap '55.
(MIR) 18:3.

MYASNICHENKO, A.L., inzh.; RYTSLIN, A.M., inzh.

Drying insulation oil by means of dry air. Elek sta. 30 no.2:
87-88 F '59. (MIRA 12:3)
(Insulating oils--Drying)

DOLBNIN, Terentiy Vasil'yevich; KONYUSHENKO, I.A., red.; MYASNIKO,
A.M., red.; KARYAKINA, M.S., tekhn.red.

[Bacteriological weapons and defense measures against them]
Bakteriologicheskoe oruzhnie i mery zashchity ot nego.
Moskva, Izd-vo DOSAAF, 1959, 12 p. (MIRA 12:8)
(Bacteriological warfare)

DIDENKO, S.I.; MYASNEKO, A.U.; EISHTEFYN-LITVAR, R.V.

Dry colibacterin, a new effective preparation for the treatment
and prophylaxis of intestinal diseases. Biul. Nauk. med. sov. 3
no.1:19-21 Ja-Y 1972.
(MIRA 10:10)

MYASMENKO, A.M.

The fundamental trend of the work of the Institutes of Epidemiology and Microbiology of the Ministry of Public Health of the R.S.F.S.R. is the control of the incidence of infectious disease. Biul. Uch. med. sov. 3 no.11-14 Ja-F '62.
(MIRA 17:10)

MYASNENKO, A.M.; SUMAROKOV, A.A.; BIRGER, M.O.; SHANDALOV, B.Ya.

Bacteriological laboratories in the Russian Socialist Federal Soviet Republic and the organization of their work. Zdrav. Ros. Feder. 6 no.4:8-11 Ap '62. (MIRA 15:4)
(BACTERIOLOGICAL LABORATORIES)

FERDINAND, Ya.M.; MARGULIS, L.A.; BRAYNINA, R.A.; DMITRIYEVA-
RAVIKOVICH, Ye.M.; KÖVALEVSKAYA, I.L.; MYASNIKO, A.M.;..
IVANOVA, L.M.; TELESHEVSKAYA, E.A.; MARISOVA, A.P.;
KOVALEVA, N.S.

Methodology of studying the epidemiological effectiveness
of intestinal vaccines. Zhur. mikrobiol., epid. i immun.
33 no.11:17-22 N '62. (MIRA 17:1)

1. Iz Rostovskogo i Moskovskogo institutov epidemiologii
Ministerstva zdravookhraneniya RSFSR i Moskovskoy gorodskoy
sanitarno-epidemiologicheskoy stantsii.

FERDINAND, Ya.M. (Rostov-na-Donu); Prinimali uchastiye: MARISOVA, A.P.;
BRAYNINA, R.A.; MARGULIS, L.A.; MYASNIENKO, A.M.; KOVALEVSKAYA,
I.L.; TELESHEVSKAYA, E.A.; SPOLEVA, S.V.; KALININA, K.I.;
KOVALEVA, N.S.; IVANOVA, M.K.; ARENDEN, B.A.; KUCHERENKO, R.A.;
MANATSKOVA, K.S.; OLEYNIKOVA, L.T.; KIBARDINA, Yu.A.;
GRIGOR'YEVA, K.S.; SEMENIKHINA, L.G.; CHERNYKH E.I.; DOROFEEVA,
V.M.; SHEVCHENKO, Ye.N.; ABRAMOVA, O.K.; SKUL'SKAYA, S.D.;
PETROVA, Z.I.; MAKHLINOVSKIY, L.I.; KUZ'MINA, A.I.; AL'TMAN, R.Sh.;
MARDERER, R.G.; YENGALYCHEVSKAYA, L.N.; CHIRKOVA, M.N.; TERESHCHENKO,
N.I.; SHELKOVNIKOVA, M.A.; PROKOPENKO, V.V.; BEKLEMESHEVA, Ye.;

BARANOVA, T.V.

Effectiveness of specific prophylaxis with alcohol divaccine
against typhoid and paratyphoid B fever in school-age children.
Zhur. mikrobiol., epid. i immun. 41 no.1:23-27 Ja '64.

(MIRA 18:2)

MYASNIK, M.N.

Inverse mutations of auxotrophic mutants of Escherichia coli B/r.
Radiobiologie 4 no.6:836-839 '64. (MIRA 18:7)

1. Institut biofiziki AN SSSR, Moskva.

L 50542-65

ACCESSION NR: AP5015730

UR/0205/65/005/003/0378/0381

575 : 577.391 : 535.31

22

B

AUTHOR: Myasnik, M. N.

TITLE: Deletions in *E. coli* B/r induced by X-rays, ultraviolet light, and nitric acid.

SOURCE: Radiobiologiya, v. 5, no. 3, 1965, 378-381

TOPIC TAGS: gene mutation, *E. coli*, ultraviolet light, nitric acid, mutagen, mutant, bacteria, chromosome

ABSTRACT: The author has studied the capacity of biochemical mutants of *E. coli* B/r (induced by X-rays, ultraviolet light, and nitric acid) to undergo spontaneous reverse mutations. This capacity was exhibited by all 67 mutants of X-ray origin, 14 of 49 (28.5%) of ultraviolet origin, 7 of 28 (25%) of nitric acid origin, but by none of 7 mutants of spontaneous origin. The lack of agreement of the findings with the data of other investigators on other biological objects, suggests that mutagens may have a different genetic effect in bacteria because of the specific organization of their nuclear apparatus. The author discusses mechanisms possibly involved in the formation of deletions in bacteria, and advances the hypothesis that

Card 1/2

L 59542-65

ACCESSION NR: AP5015730

they are activated not by ruptures of the bacterial chromosomes but by the formation of "sutures" between complementary filaments of the DNA molecules. Orig. art. has:
1 table.

ASSOCIATION: Institut biologicheskoy fiziki AN SSSR, Moscow (Institute of Biophysics, AN SSSR)

SUBMITTED: 23Jun64

ENCL: 00

SUB CODE: LS

NO REF SOV: 004

OTHER: 005

Ela
Card 2/2

MYASNIK, S.; SAMOYLOV, P.

The giant's heart began to beat. NTO 5 no.10:44-46 0 '63.
(MIRA 17:1)
1. Predsedatel' soveta nauchno-tekhnicheskogo obshchestva Kachka-
narskogo gornoobogatitel'nogo kombinata (for Myasnik). Uchenyy
sekretar' soveta nauchno-tekhnicheskogo obshchestva Kachkanarskogo
gornoobogatitel'nogo kombinata (for Samoylov).

~~MYASNIK, S.L.; ROMASHCHENKO, A.G.~~

Mining a ventilation entry. gor.zhur. no.2:62-63 p '56.
(MLRA 9:5)

1. Vysokogorskoye rudoupravleniye.
(Vysokaya--Mine ventilation)

YEFREMOVSKIY, N., inzh.; MYASNIK, S., inzh.

Results of research on additional potentialities of the planned objective of the Kachkanar Mining and Ore-Dressing Combine. Izv. vys.ucheb.zav.; gor.zhur. 5 no.2:36-40 '62. (MIRA 15:4)

1. Kachkanarskiy gornoobogatitel'nyy kombinat. Rekomendovana kafedroy razrabotki mestorozhdeniy poleznykh iskopayemykh otkrytym sposobom Sverdlovskogo gornogo instituta.
(Kachkanar region--Ore dressing)
(Kachkanar region--Iron mines and mining)

16(1),25(6)

SOV/119-59-9-10/19

AUTHORS: Myasnikov, A. A., Engineer, Polevskiy, V. V., Engineer

TITLE: An Apparatus for the Recording of the Profile of a Curved Surface

PERIODICAL: Priborostroyeniye, 1959, Nr 9, p 22 (USSR)

ABSTRACT: The authors of the present paper developed and constructed an apparatus for recording the profile of a curved surface. By means of this device the investigation of the characteristic properties of this profile is essentially simplified. The apparatus consists of a bed plate, to which lateral studs are fitted. These studs are connected by two direction rails, on which a trolley runs. It is put into motion by a reversible motor and over a rotating shaft with tapped winding. A slide block moves along this shaft. A vertical rod passes through the slide block, at the lower end of which there is a probe. At the upper end of the rod there is a clamp holding a recording pen. The trolley can be run left or right at an arbitrary velocity by a 50 w motor. The curves recorded in this manner give the true scale profile of the workpiece. These curves can also be enlarged slightly. This apparatus may be adapted for the

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An Apparatus for the Recording of the Profile of a
Curved Surface

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recording of the radii of curvature of angles and edges. The
radii of curvature are then determined from the curves recorded
by geometric construction. There are 2 figures.

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HYASNIKOV, A., inzhener.

Suggestions from efficiency promoters at the "Kapital'naia-2"
mine. Mast.ugl.6 no.2:19-21 F '57. (MLRA 10:4)

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Kuzbassugol'.
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MYASHIKOV, A.

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Advantages of the retreat system of mining coal fields. Mast.ugl.
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[Methane emission in mines depending on the speed and sequence
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SHEVTSOV, A.A.; MYASNIKOV, A.A., kand.tekhn.nauk

Comments on M.A. Krainkov's article "Calculating air in accordance with gas content and controlling the ventilation of workings." Bezop.truda v prom. 5 no.7:8-10 Jl '61.

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(Mine ventilation)
(Krainkov, M.A.)

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